

MACDRAFT®

overview

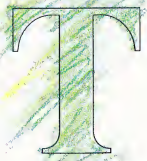
MacDraft® is one of the most widely used object-oriented drawing and drafting programs for the Macintosh® today. It is an indispensable productivity tool for more than 75,000 Macintosh users. Because of its ease of use and true conformity to the Macintosh user interface, MacDraft appeals to people who are seeking a powerful, low-cost solution to their design, drawing and drafting requirements. Over the years it has become a classic, winning several user-voted awards.

MacDraft's ease of use makes it a popular program for technical illustration, general business, presentation graphics and desktop publishing. Yet it is powerful enough to meet the needs of thousands of architects and engineers creating precision scaled drawings and schematic diagrams.

MacDraft is more than just a drawing program. It is a complete design and drafting environment that becomes an extension of the way you work. This means you don't have to think like a computer to use it. MacDraft's unique drawing tools will have you creating professional-quality drawings in no time.



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Innovative Data Design, Inc.

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he drawing environment

To create an illustration for general business, presentation, or desktop publishing, all you have to do is start drawing. To create a scaled drawing, just choose from one of the many commonly used scales provided by MacDraft, in either U.S. or metric units. From this point forward, MacDraft's drawing environment will automatically compute everything for you. Sizes of objects, dimension lines, scaled rulers, area calculations, and drawing coordinates are presented in the scale of the drawing, in real-world units, the way you would expect to see them. Objects copied and pasted into the drawing, from a source with a different scale, will automatically adjust in size to conform to the scale of your drawing.

The MacDraft environment also provides you with layers to help you organize your drawing. Layers are like transparent overlays, each containing different graphic elements. They can be individually displayed, hidden, or printed. Each layer can be set to a different scale, thereby allowing MacDraft to perform its automatic calculations for you. You can even load layers from an entirely different document, stored on disk, into your current drawing. Or paste a scanned image into one layer and trace it with MacDraft's Bezier curve tool on a separate layer ... the possibilities are endless.

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rawing tools

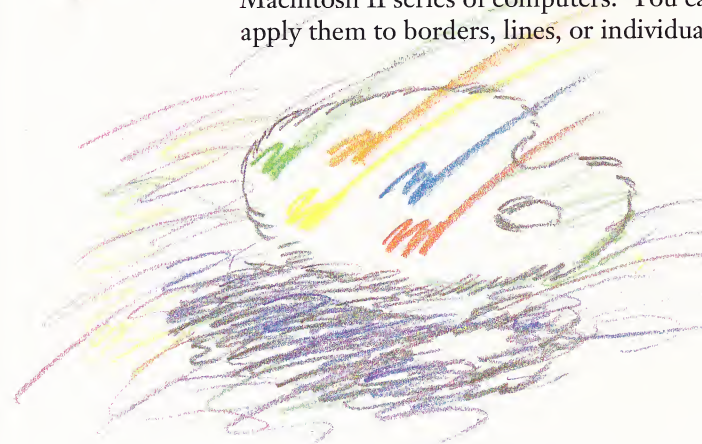
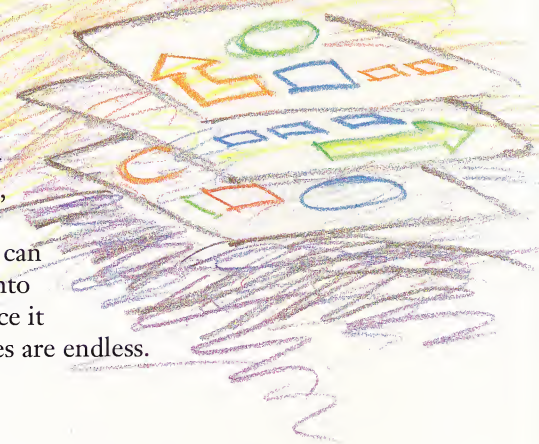
MacDraft offers an extensive array of precision geometric drawing tools, all arranged on a convenient movable palette. Click on an icon to draw lines, circles, rectangles (rounded or square corners), arcs, polygons, ellipses, spline or Bezier curves, and freehand shapes — all in a variety of line styles, thicknesses, patterns and colors. Each drawing tool can be configured to behave in different ways. For example, you can set the circle drawing tool to draw a circle by diameter, radius, or any three points. Each tool is designed to give you a balance of precision drawing and free-flowing creation.

P

resent your ideas in style with MacDraft

To start with, MacDraft allows you to choose from the 16.8 million colors available on the Macintosh II series of computers. You can edit or create colors and patterns to fill objects, and apply them to borders, lines, or individual characters of text. The pattern editor not only has

full access to your color table, but you can also use its special finger-painting tool to blend and create unique shades of colors to obtain that special effect. For those of you who don't use color, MacDraft also provides ten different laser gray shades, as well as black and white. Regardless of your choice, MacDraft provides full PostScript® quality printing.



The ability to manipulate text on your drawing is key to its presentation. MacDraft gives you full control over the font, size, style, and color of each character in a word. In addition, you can rotate text in less than one degree increments.

All this, plus precision drawing, hairlines, and custom line styles, makes for one of the best presentation programs on the market.

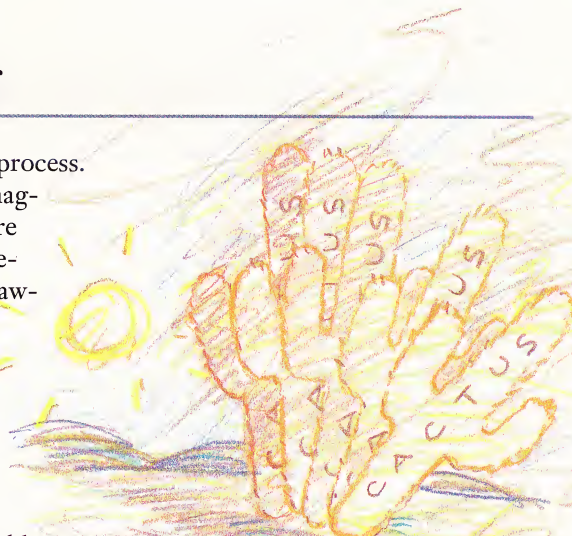
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anipulating objects and your drawing

MacDraft provides many features to aid you in the drawing process. You can zoom in on a portion of your drawing (up to 32X magnification) to create fine detail, or zoom out to see your entire drawing and create large objects or make layout changes. Regardless of your view, you still maintain all of MacDraft's drawing and editing capabilities.

MacDraft lets you rotate objects and text in less than one degree increments. It also provides optional methods of rotation: by center, a point on the drawing, or a reference point on the object.

You can even save a series of views, each one instantly recallable. Whether you prefer to save these views for working convenience or for presentation, this feature adds that special MacDraft touch, not commonly found in conventional drafting programs.



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acDraft's quality output—enhancing other applications

MacDraft provides PostScript-quality printed output to those devices that support it. Don't be concerned, however, if you are using a non-PostScript device. We have made many enhancements to our standard PICT output to aid the quality of your printed documents.

A major enhancement incorporated in MacDraft 2.0 is IDD's PictScript™. PictScript allows you to transfer precision graphics to a third party application, such as a word processor or page layout program, manipulate the graphic image on screen (re-position, resize, or crop) and maintain the PostScript quality printing found in MacDraft ... even if your application doesn't support it. PictScript supports over 16 million colors, laser gray shades, color bitmap images, quality Bezier curves and custom line styles. PictScript is a must for technical publications, business graphics and desktop publishing.



MACDRAFT® Features

The drawing environment

- 44 different scales (feet/inches and metric)
- Show size: displays the sizes of objects to scale, in real-world units
- Layers: limited only by memory (show, hide, print, or assign different scales to each individual layer)
- Rulers: display standard or scaled
- Automatic area calculation
- Multiple drawings on screen
- Display absolute coordinate position on drawing, user definable zero origin
- Save multiple views per drawing
- Save all program defaults

Drawing tools

- Movable tool palette with each tool configurable
- Constrained or unconstrained lines
- Rectangles: square, rounded or elliptical corners, with dynamic editing of corners
- Circles: by radius, diameter or 3 points
- Arcs: by radius, 3 points or elliptical
- Ellipses: by diagonal or center
- Polygons: open or closed
- Curves: Bezier or spline
- Freehand sketching: open or closed shapes with multiple levels of smoothing

Presenting and annotating your drawing

- Advanced text handling: color, font, size and style for individual characters in a text block
- Full Macintosh II color support plus 10 laser gray shades for fills, lines and text
- Edit colors and patterns (color or black and white)
- Dimension lines: select text position, rotation, font, size and a variety of end marks
- Variety of line weights, including hairlines for lines, borders and curves
- Custom line styles (user defined) for lines, borders and curves, with a variety of line weights
- Multiple end marks on lines and curves

Other important features

- Zoom-in up to 32 times to add fine detail or zoom out to work on a large area

- Rotate text and objects in less than 1 degree, by their centers, a point on the drawing or a reference point on the object itself
- On-line symbol libraries: to store your commonly used graphic images
- PictScript: allows the transfer of graphic images from MacDraft to other applications, such as word processors and page layout programs, along with the ability to manipulate them on screen (re-position, resize, and crop) while still maintaining their PostScript quality of printing
- Snap-to function: snap control points of objects to each other
- Add or delete handles (control points) to all straight-edged objects and curves
- Smoothing of freehand shapes and polygons
- Distribute objects along a line by center or user defined reference point

Standards

- Save documents as MacDraft format, PictScript, PICT 2 or reusable stationary
- Supports black and white and color bitmaps
- Reads MacDraft 1.2b files
- 32 bit QuickDraw™ and A/UX® compatibility
- On-line help

Available modules

- Available only from IDD: A series of symbol libraries and the IDD Plotter Driver™

System requirements

- CPU: Macintosh Plus, SE or II series with system 6.0.2 or later
- Required: Minimum 1 MB RAM, second disk drive
- Recommended: 2 MB RAM and a hard disk drive
- Output: ImageWriter®, PostScript compatible printers, leading plotters (using the IDD Plotter Driver)

